

# PETROLEUM RESEARCH

## CENTER

The mission of the Petroleum Research Center (PERC) at the University of Utah is to conduct research and development studies leading to practical, cost-effective solutions to liquid hydrocarbon production, handling and transportation. With funding from the U.S. Department of Energy and the petroleum industry, the PERC coordinates basic and applied research in: the physical properties and physical and chemical thermodynamics of naturally occurring hydrocarbons, development of pipeline transportation and flow assurance strategies, and simulation, optimization and control of oil and gas recovery methods.

## TECHNOLOGY

The Petroleum Research Center (PERC) was funded to commercialize and market two specific areas of work: understanding problems related to the production, transportation and processing of waxy and asphaltenic crude oils and the subsequent alleviation of these problems and developing a variety of methods and software tools (models) for the efficient and optimal production of oil and gas from underground reservoirs. Over the last several years, oil companies and federal agencies have funded (and continue to fund) research in PERC, which is an integral part of the Department of Chemical and Fuels Engineering at the University of Utah.

## UNIVERSITY OF UTAH

*Can you imagine....*

A variety of methods and software tools for the efficient and optimal production of oil and gas from underground reservoirs?



## ACCOMPLISHMENTS

Schlumberger and Halliburton donated software worth about \$10 million, making the Center the premier state of the art oil reservoir simulation facility. Alyeska Pipeline Service Company employed a professional with a Ph. D. in Salt Lake City to monitor technology development at the Center. Universal Oil Products and Flying J conducted a project to test the performance of one of their new process units at the Center.

## Contact Information

**Director: Milind Deo**  
**University of Utah**  
**50 South Central Campus Drive**  
**Salt Lake City, UT 84112**  
**801-581-7629**  
**[mddeo@eng.utah.edu](mailto:mddeo@eng.utah.edu)**